

Title (en)

WELDED STRUCTURE FOR VEHICLE BODY PANEL

Title (de)

GESCHWEISSTE STRUKTUR FÜR DIE KAROSSERIEWAND EINES KRAFTFAHRZEUGS

Title (fr)

STRUCTURE SOUDÉE POUR PANNEAU DE CARROSSERIE DE VÉHICULE

Publication

EP 2862785 B1 20170927 (EN)

Application

EP 13812843 A 20130627

Priority

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Abstract (en)

[origin: EP2862785A1] A second joining flange (42a) formed along an edge of a second panel (42) and a third joining flange (43a) formed along an edge of a third panel (43) are superimposed on a first joining flange (41a) formed along an edge of a first panel (41), a seam weld (Wa) is made in a section in which the first joining flange (41a) and the second joining flange (42a) form two layers and a section in which the first joining flange (41a) and the third joining flange (43a) form two layers, and a spot weld (Wb) is made in a section in which the first joining flange (41a), the second joining flange (42a) and the third joining flange (43a) form three layers. It is possible to enhance the production efficiency by increasing the welding speed by making the seam weld (Wa) with a long weld length in the section where there are two layers, and it is also possible to make the spot weld (Wb) in the section where there are three layers, for which it is difficult to make the seam weld (Wa) due to the large number of superimposed sheets and for which peel-off easily occurs, thus enhancing the strength against peel-off.

IPC 8 full level

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Cited by

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